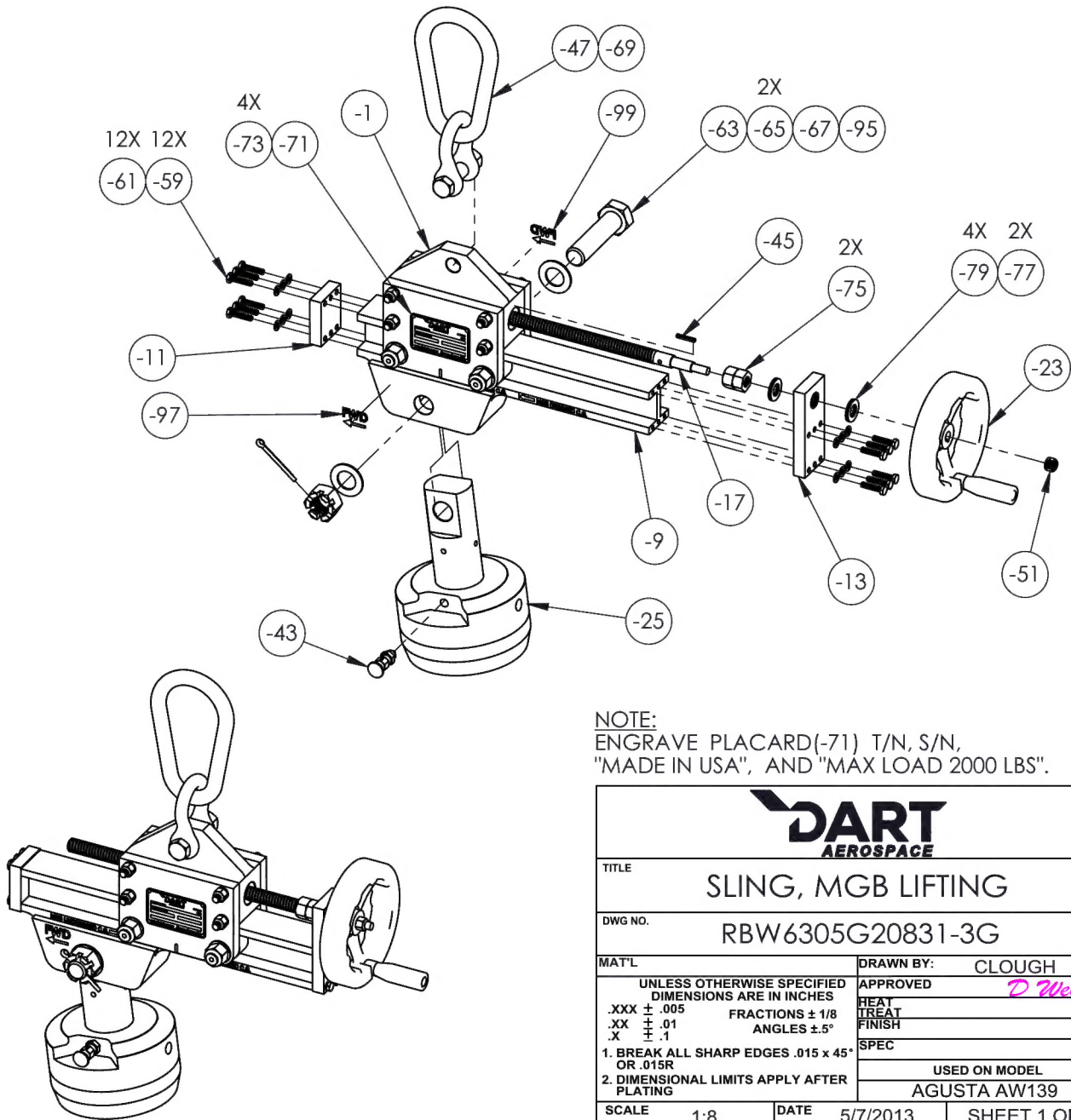


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-10, -63, -97 ADDED DRAWINGS. ADDED TO BOM- -10, -83, -85, -87, -89, -91, -93, -95, -97, -49 CH'D BOLT LENGTH FROM 4-1/2 TO 4-1/4. -35 CH'D LENGTH WAS 1/4 IS 3/8. -51 & -55 CH'D FROM HEX NUT TO NYLOCK NUT. -63 CH'D FROM 3/4 BOLT TO 1 INCH MODIFIED BOLT. -65 CH'D Ø FROM 3/4 TO 1 INCH. -59 CORRECTED P/N WAS 9620A701 IS 92620A701. -67 CH'D FROM NYLOCK NUT TO 1 INCH SLOTTED NUT. -3 CH'D DIM FOR LIFTING HOLE WAS .750 IS .755. CH'D DIM FOR WIDTH WAS 2.565 IS 2.20. CH'D TOLERANCES ON DIMS 4.29, 3.54, 2.36, 3.16, 2.79, 1.18. -5 CH'D TOLERANCES ON DIMS 4.54, 6.32, .75, 4.82. -9 CH'D BOTTOM FROM GROOVE TO POCKET. ADDED VIEW OF THE BOTTOM. ADDED CROSS SECTION H-H. ADDED THRU HOLES DIA .33 & .59. CH'D DIMS FROM .313 TO .200, FROM 2.215 TO 1.990, FROM .587 TO .407, FROM 4.550 TO 3.85, FROM 1.50 TO .80, FROM 6.10 TO 6.80, FROM 3.000 TO 2.56, FROM 4.840 TO 3.95, FROM 5.840 TO 4.95, FROM 2.40 TO 2.04, FROM .888 TO .84, FROM .625 TO .36, FROM 2.840 TO 2.39, FROM .165 TO .35, FROM 2.73 TO 2.74, CH'D TOLERANCES ON DIMS (16.13), 7.19, 1.59. -11 CH'D DIMENSIONS FROM 2.40 TO 2.04, FROM .587 TO .407, FROM .313 TO .260, FROM 2.215 TO 1.990, FROM 2.84 TO 2.51. -15 CH'D DIMS FROM 5.00 TO 4.80, FROM 1.200 TO 1.02, FROM 4.027 TO 3.908, FROM 2.215 TO 1.990, FROM .313 TO .260, FROM 2.40 TO 2.04, FROM .587 TO 4.07. -19 CH'D MATERIAL FROM 4140 TO 4140 Q&T. -27 REMOVED RADIUS FROM TOP, CH'D DIMS FROM 7.53 TO 7.88, FROM 6.525 TO 6.78, FROM 4.661 TO 4.78, FROM 1.031 TO 1.020, FROM 1.50 TO 1.58, FROM .75 TO .79, FROM 2.25 TO 2.35	4/10/2014	PW	DW
2	14-0224	CH'D TITLEBLOCK WAS RED BARN IS DART. UPDATED TO NEW DRAFTING STANDARDS. -9, -11, -13, -27, -29 ADDED ENGRAVE P/N NOTE. -19 ADDED FULL R CALLOUT TO KEYWAY. -27 ADDED .06 UNDERCUTS.	12/16/2014	DPD	JAG
3	15-0056	-3 CH'D DIMS WAS 2X 2.79 IS 2.79, WAS 2X .750 IS .750. -5 ADDED MACHINE ENGRAVE NOTE. -9 DELETED .76 SLOT, Ø.33 HOLE, Ø.59 HOLE. -13 DELETED ENGRAVE NOTE. -15 ADDED ENGRAVE NOTE. -19 CH'D DIMS WAS 1.100 IS .85, WAS 3.135 IS 2.885. -19 & -21 CH'D FINISH WAS YELLOW ZINC IS CAD PLATE YELLOW. -27 CH'D DIMS WAS 4X Ø.22 ∇ .25 IS 4X Ø.25 ∇ .25, WAS .06 IS .13, WAS .03 IS .07. CH'D MAT'L WAS 4140 Q&T/4142 Q&T IS 4140 Q&T/4142 Q&T/4150 Q&T. -31 REDESIGNED. ADDED DUAL FINISH 1ST: CAD PLATE SILVER 2ND: POWDER COAT ORANGE. CH'D DIMS WAS Ø.43 THRU IS 1/2-13 THRU, WAS 1.77 IS 1.71. ADDED DIM Ø4.75. CH'D ENGRAVE NOTE WAS ENGRAVE ARIAL TEXT, .6 HT., "LOAD 900 KG" IS MACHINE ENGRAVE ARIAL TEXT, .6 HT., "LOAD 900 KG", FILL WITH PAINT AFTER POWDER COAT. ADDED MASK THREAD NOTE. ADDED ENGRAVE P/N NOTE. -63 CH'D DIM WAS .36 IS .31. DELETED -10, -29, -33, -83, -85, -87, -89, -91, -93, -97 CH'D QTY WAS 2 IS 1. ADDED -99 .	3/23/2015	DPD	JAG

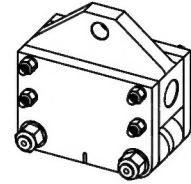
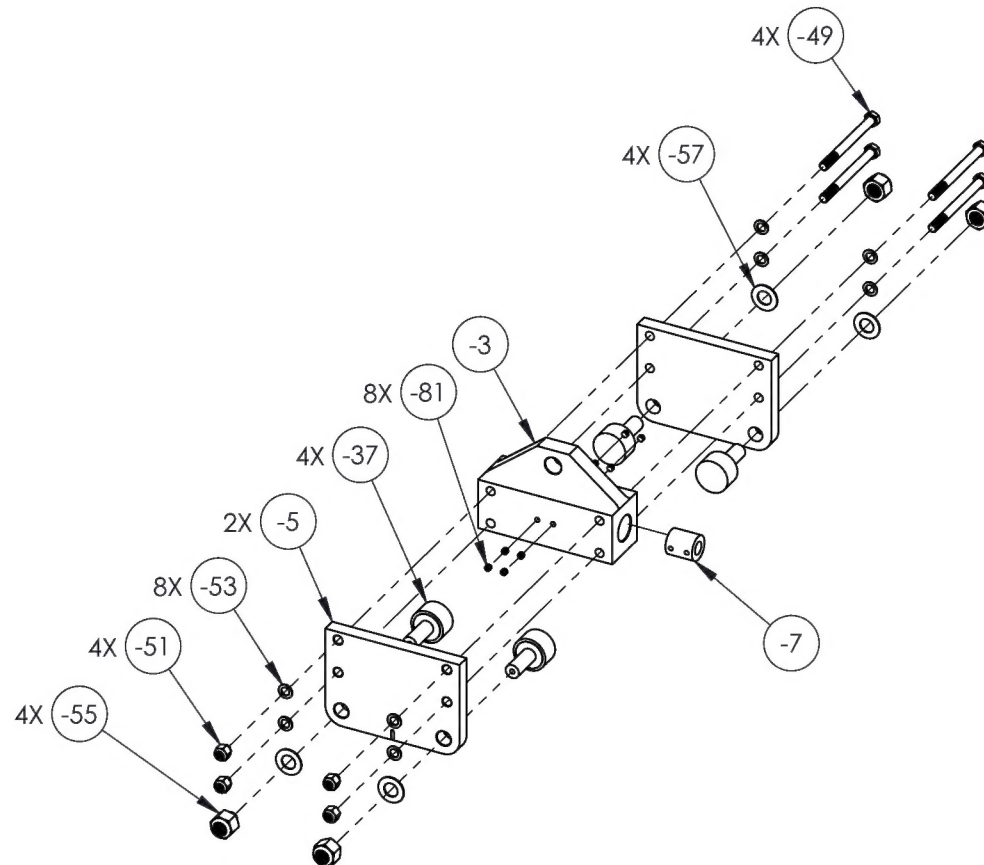
ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
				X		-1	1	SLING ASSEMBLY			2
				1		-3		SLING BLOCK	6061		3
				2		-5		SIDE PLATE	6061		4
				1		-7		ACME SLEEVE NUT	BRONZE	5/8-8 (ROTON #89407) MODIFIED	5
						-9	1	BEAM	6061		6
						-11	1	END PLATE	6061		7
			X			-13	1	CRANK END PLATE ASSEMBLY			8
			1			-15		CRANK END PLATE	6061		9
		X				-17	1	ACME ROD ASSEMBLY			10
		1				-19		ACME ATTACHMENT	4140 Q&T/4142 Q&T		11
		1				-21		ACME ROD	STEEL	5/8-8 X 14-3/4 (MCMMASTER-CARR #93410A620) MODIFIED	12
						-23	1	HANDWHEEL	THERMOPLASTIC W/ STEEL HUB	(CARRLANE #CL-62-HWAS-P) MODIFIED	13
	X					-25	1	FLANGE ASSEMBLY			14
	1					-27		SLING PIN	4140 Q&T/4142 Q&T/4150 Q&T		15
	1					-31		FLANGE	4140 Q&T/4142 Q&T		16
	2					-35		SLEEVE	WHITE DELRIN		17
				4	B/O	-37		TRACK ROLLER	440C S.S.	5/8-18 X 3/4 X 1-1/2 STUD X Ø1-1/2 X 7/8 (MCMMASTER-CARR #3652K23)	2
			1		B/O	-39		NEEDLE ROLLER BEARING	STEEL	Ø5/8 I.D. X Ø13/16 O.D. X 5/8 (MCMMASTER-CARR #5905K25)	8
		1			B/O	-41		DOWEL PIN	STEEL	Ø3/16 X 5/8 (MCMMASTER-CARR #98381A507)	10
					B/O	-43	1	LOCK-OUT INDEX PLUNGER	S.S.	1/2-13 (J.W. WINCO #8TT22/AK)	1
					B/O	-45	1	SQUARE KEY	STEEL	1/8 X 1/8 X 1 (MCMMASTER-CARR #98870A110)	1
					B/O	-47	1	PEAR LIFTING RING	STEEL	Ø3/4 X 6, 13,200 LBS (MCMMASTER-CARR #3570T35)	1
					4	B/O	-49	HEX HEAD CAP SCREW	STEEL	3/8-24 X 4-1/4, GRADE 8 (MCMMASTER-CARR #91257A141)	2
					4	B/O	-51	NYLON INSERT HEX NUT	STEEL	3/8-24, GRADE 8 (MCMMASTER-CARR #97135A235)	1,2
					8	B/O	-53	FLAT WASHER	STEEL	Ø3/8 (MCMMASTRER-CARR #95229A490)	2
					4	B/O	-55	NYLON INSERT HEX NUT	STEEL	5/8-18, GRADE 8 (MCMMASTER-CARR #97135A275)	2
					4	B/O	-57	FLAT WASHER	STEEL	Ø5/8 (MCMMASTER-CARR #95229A610)	2
					B/O	-59	12	HEX HEAD CAP SCREW	STEEL	1/4-28 X 1-1/8, GRADE 8 (MCMMASTER-CARR #92620A701)	1
					B/O	-61	12	FLAT WASHER	STEEL	Ø1/4 (MCMMASTER-CARR #95229A430)	1
						-63	1	HEX HEAD CAP SCREW	STEEL	1-8 X 4, GRADE 8 (MCMMASTER-CARR #91257A961) MODIFIED	1
					B/O	-65	2	FLAT WASHER	S.S.	Ø1 (MCMMASTER-CARR #98017A230)	1
					B/O	-67	1	SLOTTED HEX NUT	STEEL	1-8, GRADE 5 (MCMMASTER-CARR #97190A040)	1
					B/O	-69	1	LIFTING SHACKLE	STEEL	5/8, 6500 LBS. (CARRLANE #36541FAS)	1
					B/O	-71	1	DART PLACARD	ALUMINUM	#RB41011	1
					B/O	-73	4	#2 X 1/8 DRIVE SCREW	COATED STEEL	#2 X 1/8 (MCMMASTER-CARR #90081A074)	1
					B/O	-75	2	ACME NUT	S.S.	5/8-8 ACME THREAD (MCMMASTER-CARR #95066A213)	1
					B/O	-77	2	NEEDLE-ROLLER THRUST BEARING	STEEL	Ø5/8 I.D. X Ø1-1/8 O.D. X 5/64 (MCMMASTER-CARR #5909K32)	1
					B/O	-79	4	WASHER FOR THRUST BEARING	STEEL	Ø5/8 I.D. X Ø1-1/8 O.D. X 5/64 WASHER (MCMMASTER-CARR #5909K45)	1
				8	B/O	-81		POINT SET SCREW	STEEL	1/4-28 X 1/4 (MCMMASTER-CARR #92695A311)	2
					B/O	-95	1	COTTER PIN	STEEL	Ø3/16 X 2 (MCMMASTER-CARR #98338A280)	1
					B/O	-97	1	STICKER	VINYL, BLACK	1/2 X 1-1/4 (SIGNS NOW)	19
					B/O	-99	1	STICKER	VINYL, BLACK	1/2 X 1-1/4 (SIGNS NOW)	20
ASSY -29	ASSY -25	ASSY -17	ASSY -13	ASSY -1							



DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G	REV 3
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: CLOUGH APPROVED <i>D Weil</i> TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AGUSTA AW139
SCALE 1:8	DATE 5/7/2013
SHEET 1 OF 21	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

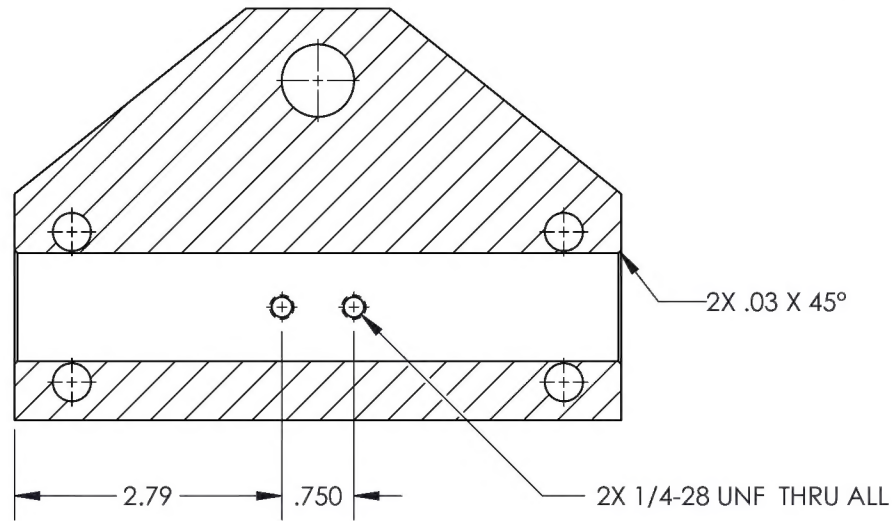
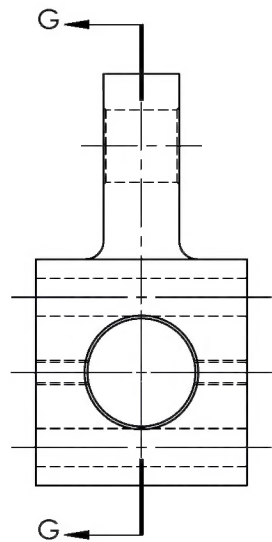
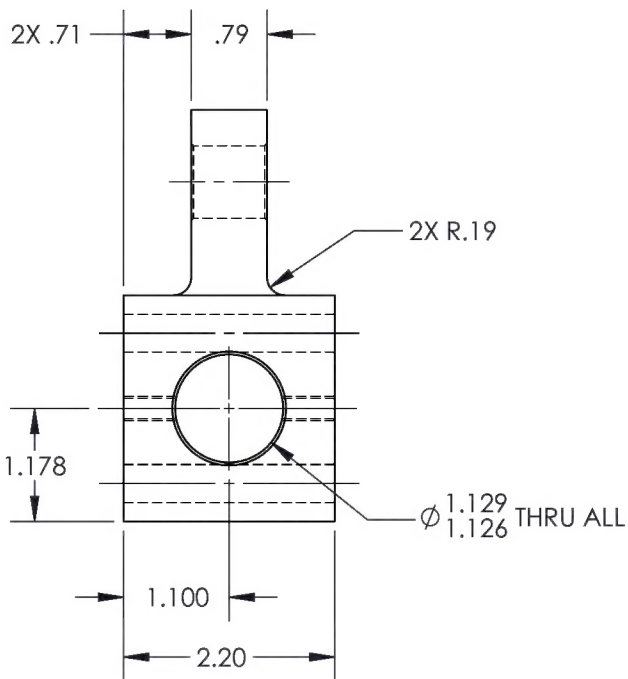
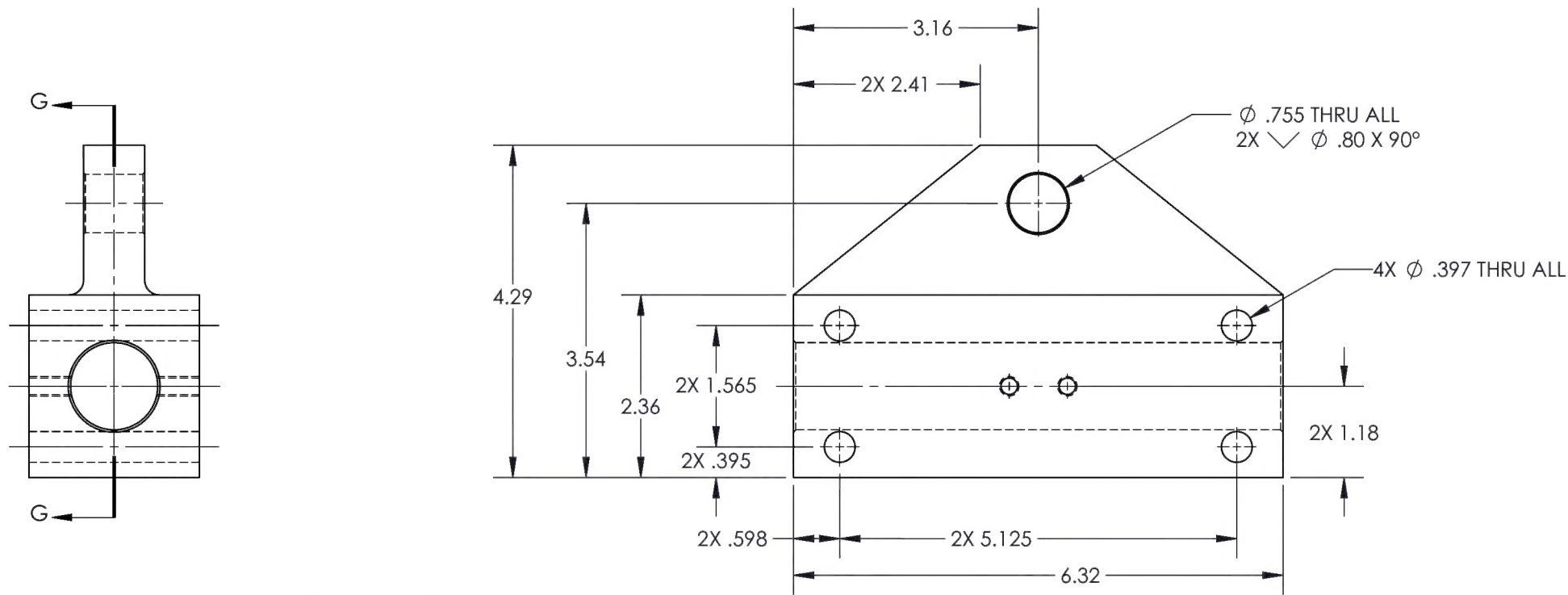
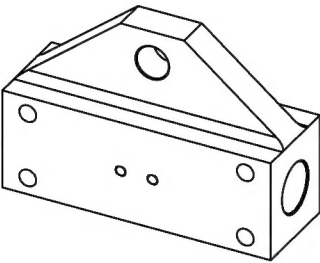


(-1)
SLING ASSEMBLY

DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-1	REV 3
MAT'L	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
ANGLES ± 5°	SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AGUSTA AW139
SCALE 1:8	DATE 5/13/2013
SHEET 2 OF 21	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-3 CH'D DIM FOR LIFTING HOLE WAS .750 IS .755. CH'D DIM FOR WIDTH WAS 2.565 IS 2.20. CH'D TOLERANCES ON DIMS 4.29, 3.54, 2.36, 3.16, 2.79, 1.18.	4/10/2014	PW	DW
3	15-0056	-3 CH'D DIMS WAS 2X 2.79 IS 2.79, WAS 2X .750 IS .750.	3/24/2015	DPD	JAG



SECTION G-G

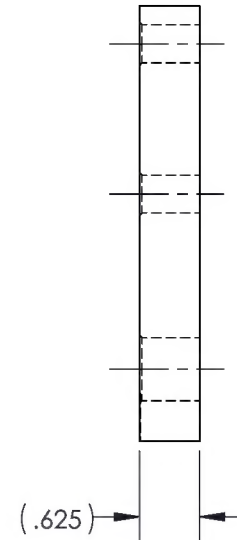
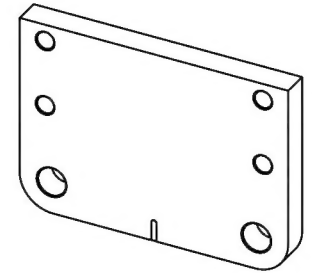
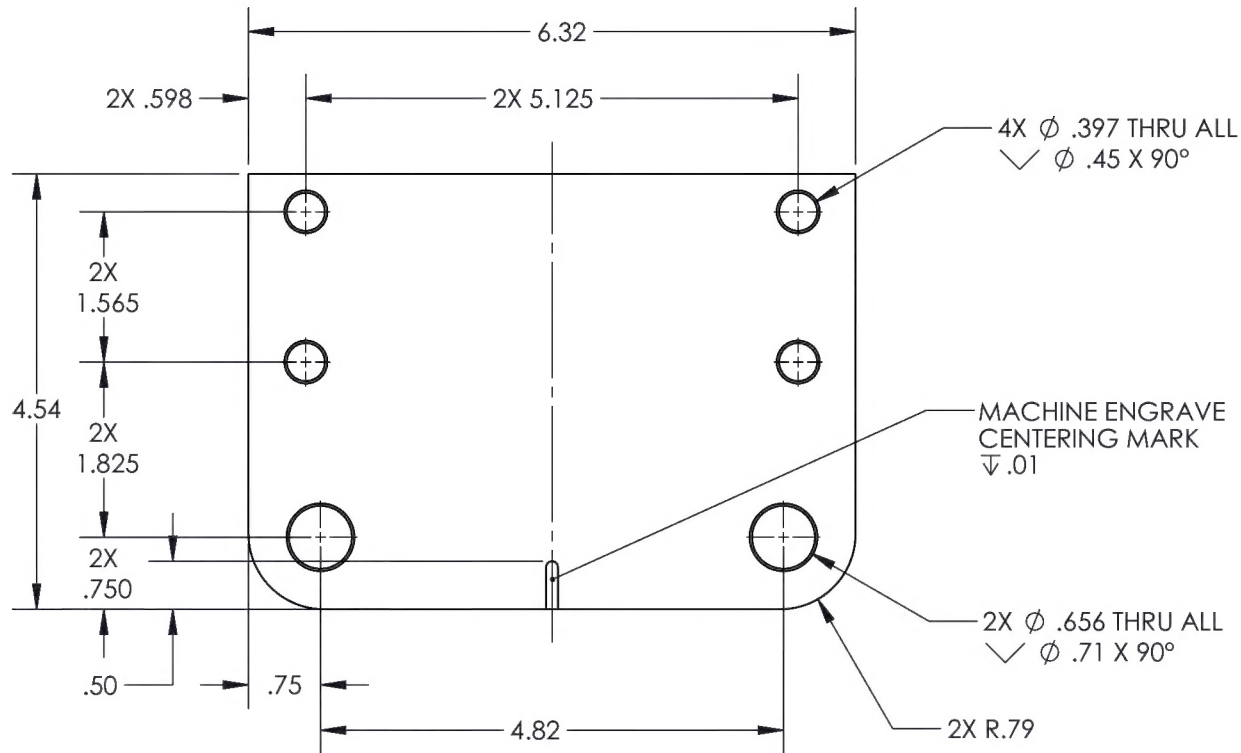
(-3)

SLING BLOCK

DART AEROSPACE			
TITLE SLING, MGB LIFTING			
DWG NO. RBW6305G20831-3G-3			REV 3
MAT'L 6061		DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX $\pm .005$		TREAT	
.XX $\pm .01$		FINISH	
.X $\pm .1$		CLEAR ANODIZE	
1. BREAK ALL SHARP EDGES .015 X 45°		SPEC MIL-A-8625F, TYPE II, CLASS I	
OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		AGUSTA AW139	
SCALE	1:2	DATE	4/11/2013
SHEET 3 OF 21			

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-5 CH'D TOLERANCES ON DIMS 4.54, 6.32, .75, 4.82.	4/10/2014	PW	DW
3	15-0056	-5 ADDED MACHINE ENGRAVE NOTE.	3/23/2015	DPD	JAG

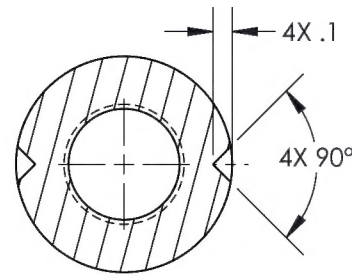
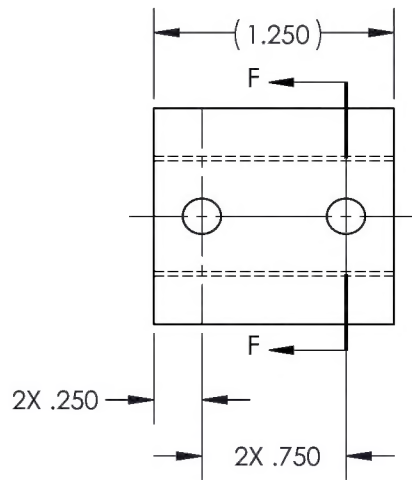
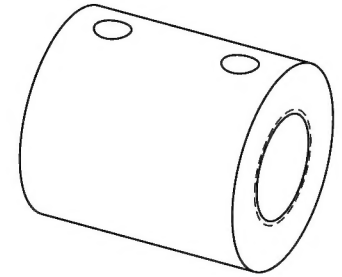


(-5)
SIDE PLATE

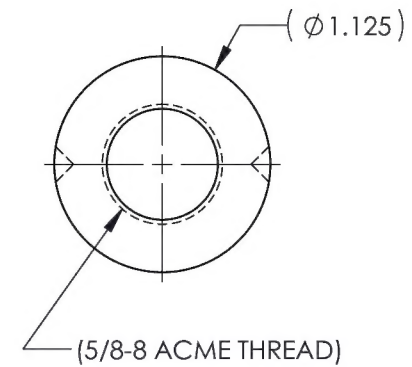
DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-5	REV 3
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX $\pm .005$	HEAT TREAT
.XX $\pm .01$	FINISH RED ANODIZE
.X $\pm .1$	SPEC MIL-A-8625F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AGUSTA AW139
SCALE 1:8	DATE 4/11/2013
SHEET 4 OF 21	

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REVISIONS			
REV	ECR	DESCRIPTION	DATE
			INITIAL
			APPROVED



SECTION F-F



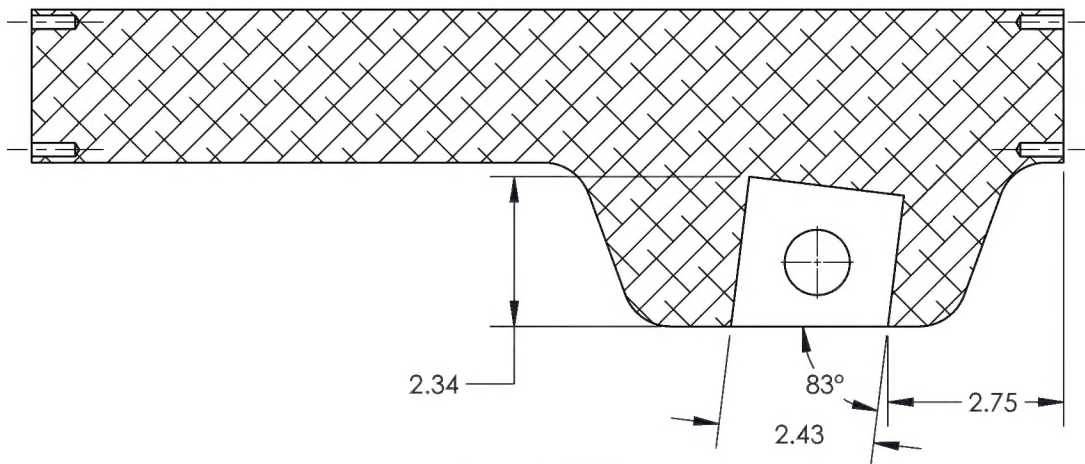
(-7)

ACME SLEEVE NUT

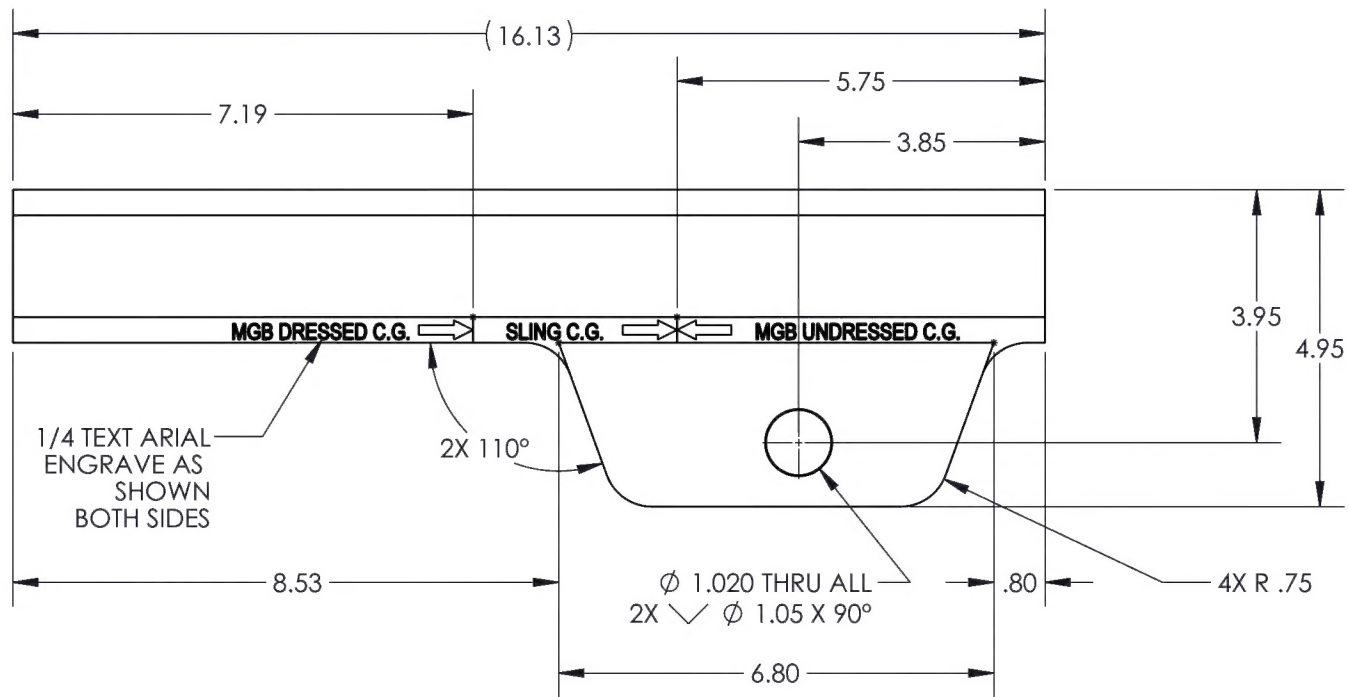
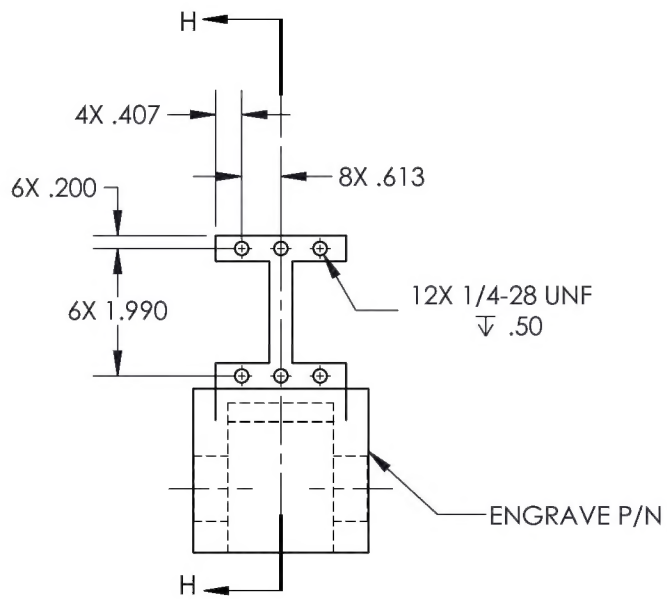
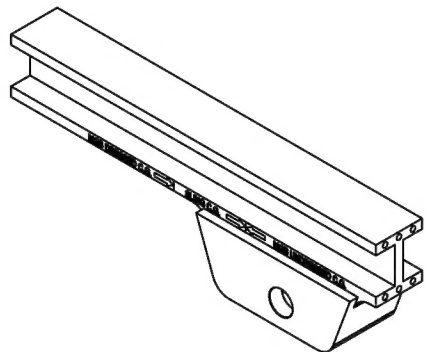
DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-7	REV 3
MAT'L BRONZE	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AGUSTA AW139
SCALE 1:1	DATE 5/10/2013
	SHEET 5 OF 21

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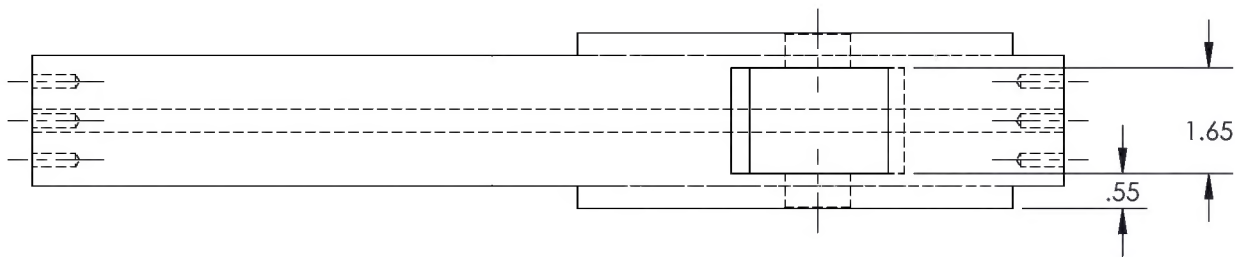
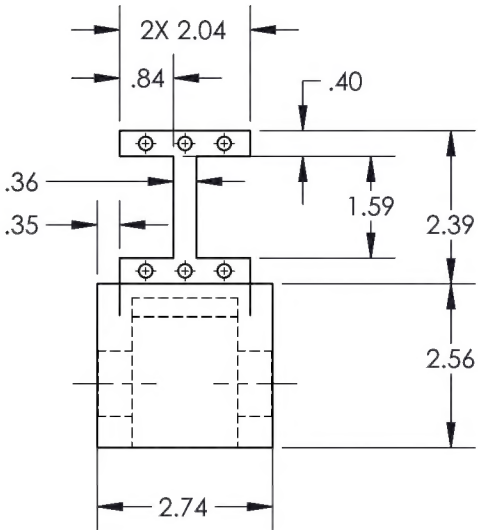
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-9 CH'D BOTTOM FROM GROOVE TO POCKET. ADDED VIEW OF THE BOTTOM. ADDED CROSS SECTION H-H. ADDED THRU HOLES DIA .33 & .59. CH'D DIMS FROM .313 TO .200, FROM 2.215 TO 1.990, FROM .587 TO .407, FROM 4.550 TO 3.85, FROM 1.50 TO .80, FROM 6.10 TO 6.80, FROM 3.000 TO 2.56, FROM 4.840 TO 3.95, FROM 5.840 TO 4.95, FROM 2.40 TO 2.04, FROM .888 TO .84, FROM .625 TO .36, FROM 2.840 TO 2.39, FROM .165 TO .35, FROM 2.73 TO 2.74. CH'D TOLERANCES ON DIMS (16.13), 7.19, 1.59.	4/10/2014	PW	DW
2	14-0224	-9 ADDED ENGRAVE P/N NOTE.	12/17/2014	DPD	JAG
3	15-0056	-9 DELETED .76 SLOT, Ø.33 HOLE, Ø.59 HOLE.	3/23/2015	DPD	JAG



SECTION H-H



HIDDEN LINES OMITTED FOR CLARITY



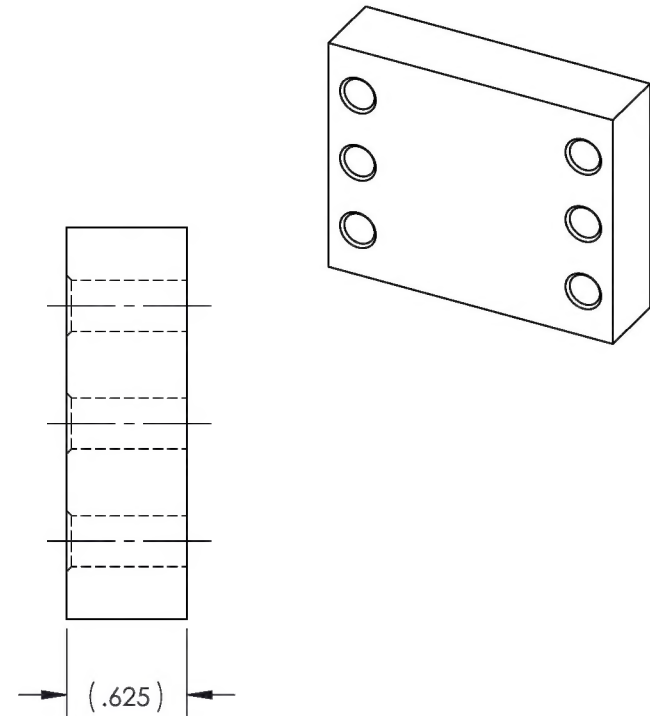
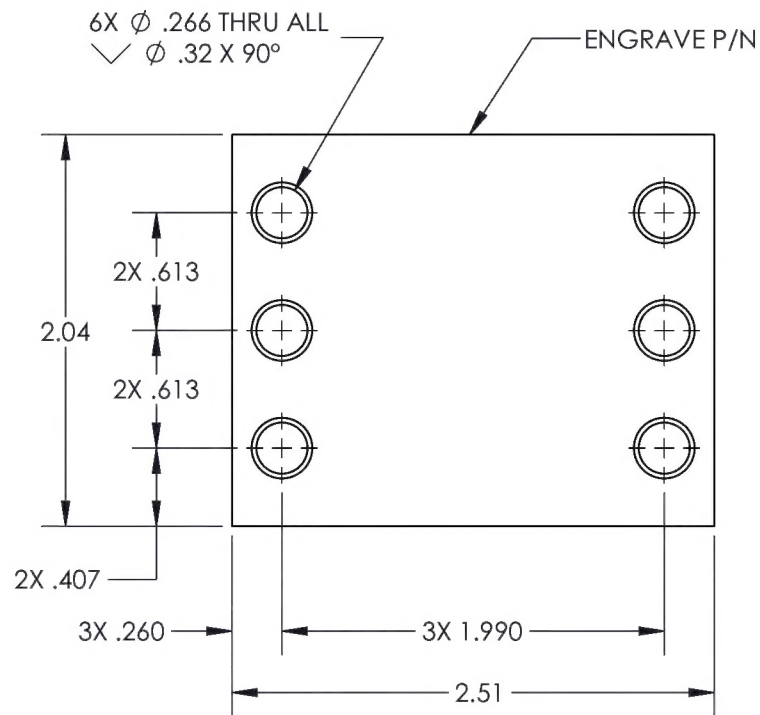
-9

BEAM

DART AEROSPACE		
TITLE SLING, MGB LIFTING		
DWG NO. RBW6305G20831-3G-9	REV 3	
MAT'L 6061	DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	APPROVED D Weil	
	TREAT FINISH CLEAR ANODIZE	
	SPEC MIL-A-8625F, TYPE II, CLASS I	
	USED ON MODEL AGUSTA AW139	
SCALE 1:3	DATE 4/11/2013	SHEET 6 OF 21

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-11 CH'D DIMENSIONS FROM 2.40 TO 2.04, FROM .587 TO .407, FROM .313 TO .260, FROM 2.215 TO 1.990, FROM 2.84 TO 2.51.	4/10/2014	PW	DW
2	14-0224	-11 ADDED ENGRAVE P/N NOTE.	12/17/2014	DPD	JAG

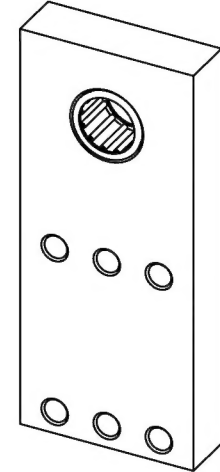
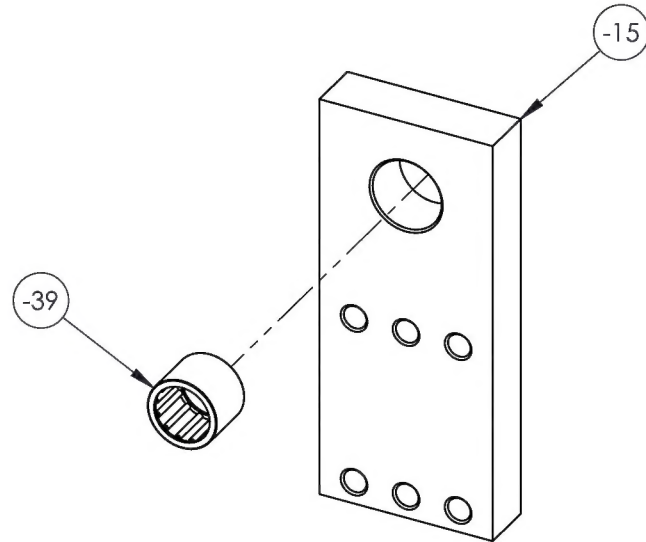


(-11)
 END PLATE

DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-11	REV 3
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX \pm .005	HEAT TREAT
.XX \pm .01	FINISH RED ANODIZE
.X \pm .1	SPEC MIL-A-8625F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AGUSTA AW139
SCALE 1:8	DATE 4/11/2013
SHEET 7 OF 21	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	14-0224	-13 ADDED ENGRAVE P/N NOTE.	12/17/2014	DPD	JAG
3	15-0056	-13 DELETED ENGRAVE NOTE.	3/23/2015	DPD	JAG

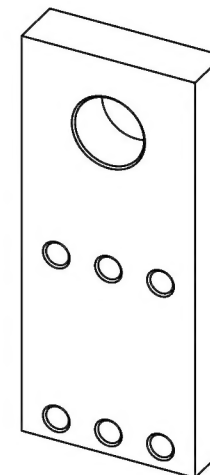
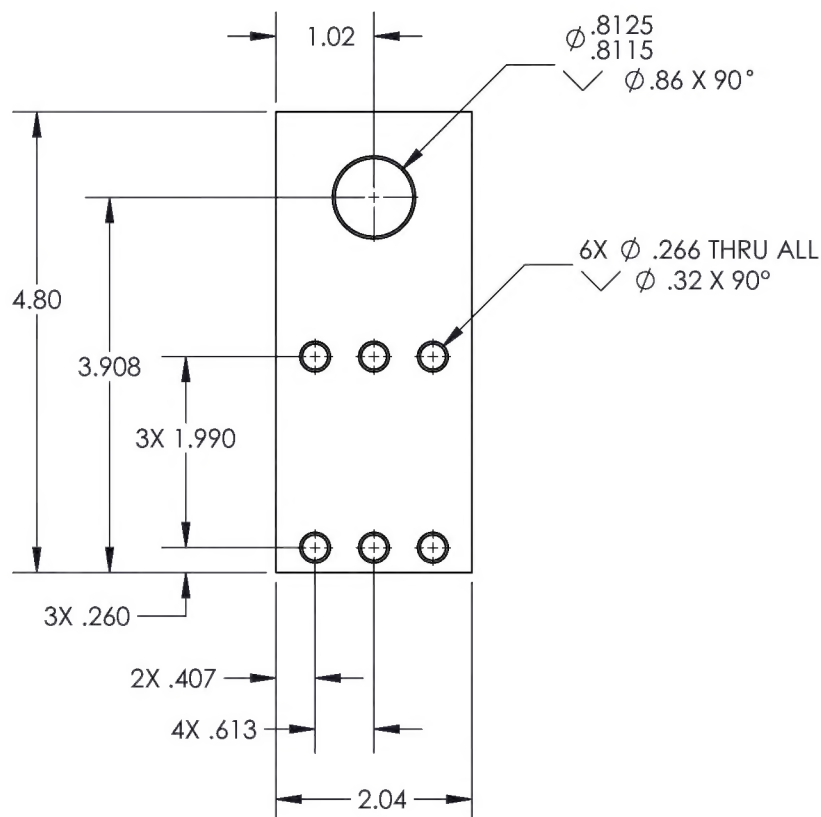


-13
CRANK END PLATE ASSEMBLY

DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-13	REV 3
MAT'L	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AGUSTA AW139
SCALE 1:8	DATE 5/7/2013
	SHEET 8 OF 21

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-15 CH'D DIMS FROM 5.00 TO 4.80, FROM 1.200 TO 1.02, FROM 4.027 TO 3.908, FROM 2.215 TO 1.990, FROM .313 TO .260, FROM 2.40 TO 2.04, FROM .587 TO 4.07.	4/10/2014	PW	DW
2	15-0056	-15 ADDED ENGRAVE NOTE.	3/23/2015	DPD	JAG



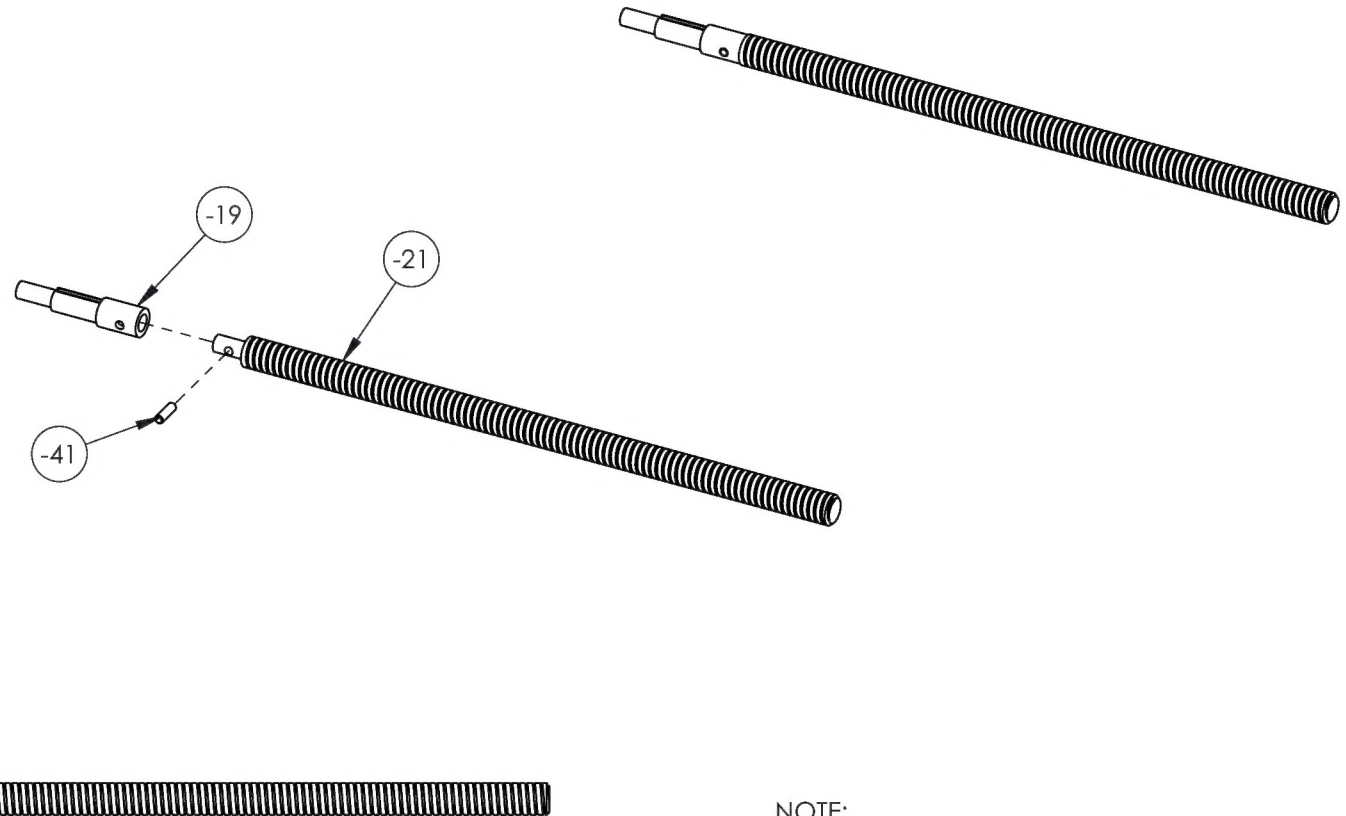
(-15)

CRANK END PLATE

DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-15	REV 3
MAT'L 6061	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX $\pm .005$	HEAT TREAT
.XX $\pm .01$	FINISH RED ANODIZE
.X $\pm .1$	SPEC MIL-A-8625F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AGUSTA AW139
SCALE 1:8	DATE 4/11/2013
SHEET 9 OF 21	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



NOTE:
-41 PIN MUST BE SUBFLUSH.

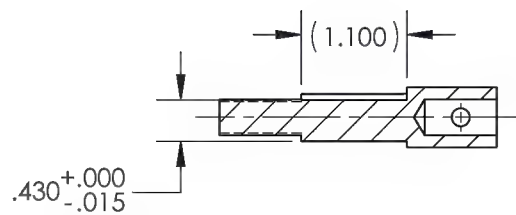
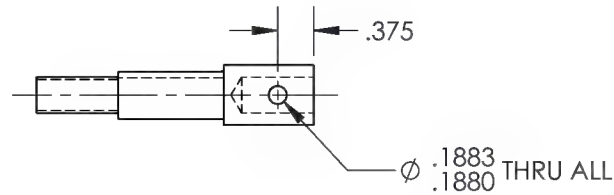
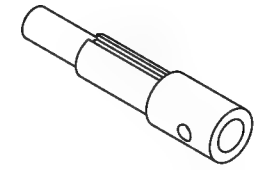
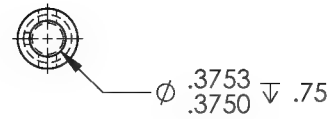
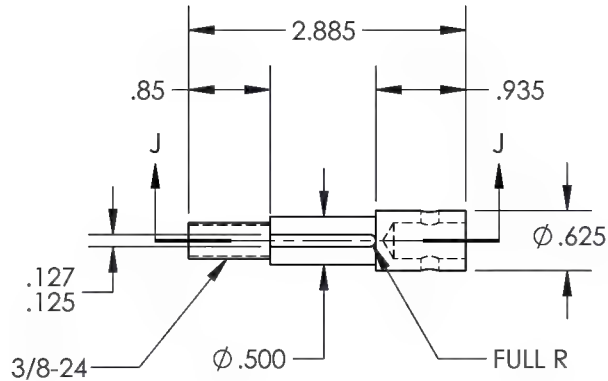
DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G2-831-3G-17	REV 3
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: CLOUGH APPROVED <i>D Weil</i> HEAT TREAT FINISH SPEC
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AGUSTA AW139
SCALE 1:4	DATE 5/9/2013
SHEET 10 OF 21	

-17

ACME ROD ASSEMBLY

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-19 CH'D MATERIAL FROM 4140 TO 4140 Q&T.	4/10/2014	PW	DW
2	14-0224	-19 ADDED FULL R CALLOUT TO KEYWAY.	12/17/2014	DPD	JAG
3	15-0056	-19 CH'D DIMS WAS 1.100 IS .85. WAS 3.135 IS 2.885. CH'D FINISH WAS YELLOW ZINC IS CAD PLATE	3/23/2015	DPD	JAG



SECTION J-J

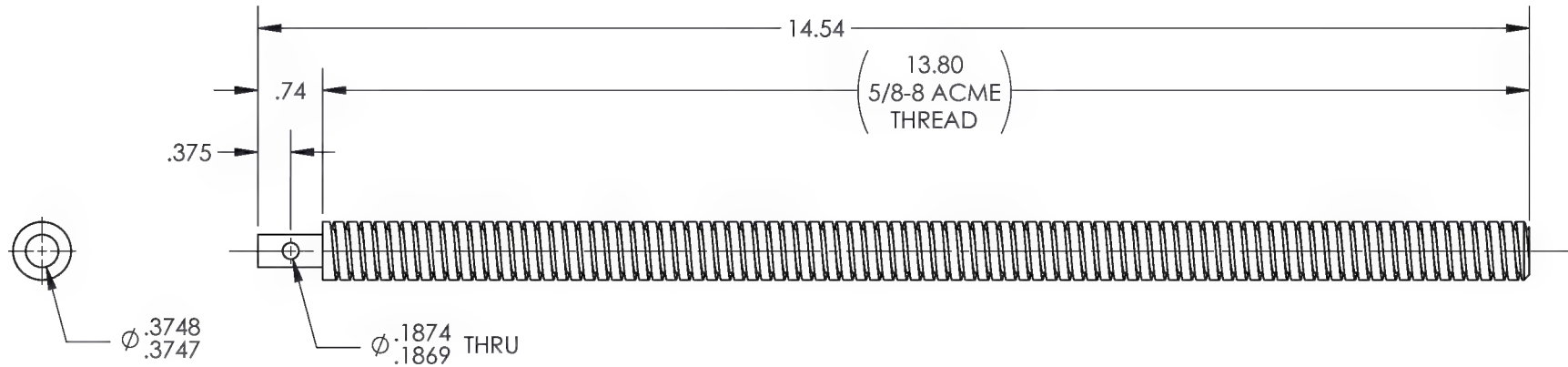
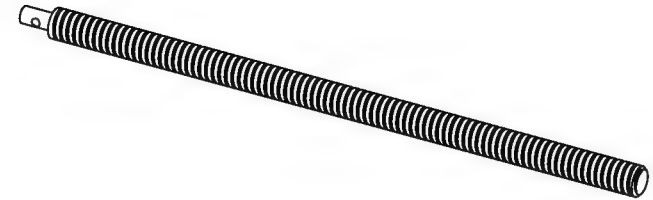
(-19)

ACME ATTACHMENT

DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-19	REV 3
MAT'L 4140 Q&T/4142 Q&T	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005 FRACTIONS ± 1/8	HEAT TREAT
.XX ± .01 ANGLES ± 5°	FINISH CAD PLATE YELLOW
.X ± .1	SPEC QQ-P-416F, TYPE II, CLASS II
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	AGUSTA AW139
SCALE 1:2	DATE 4/11/2013
SHEET 11 OF 21	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	15-0056	-21 CH'D FINISH WAS YELLOW ZINC IS CAD PLATE YELLOW.	3/23/2015	DPD	JAG



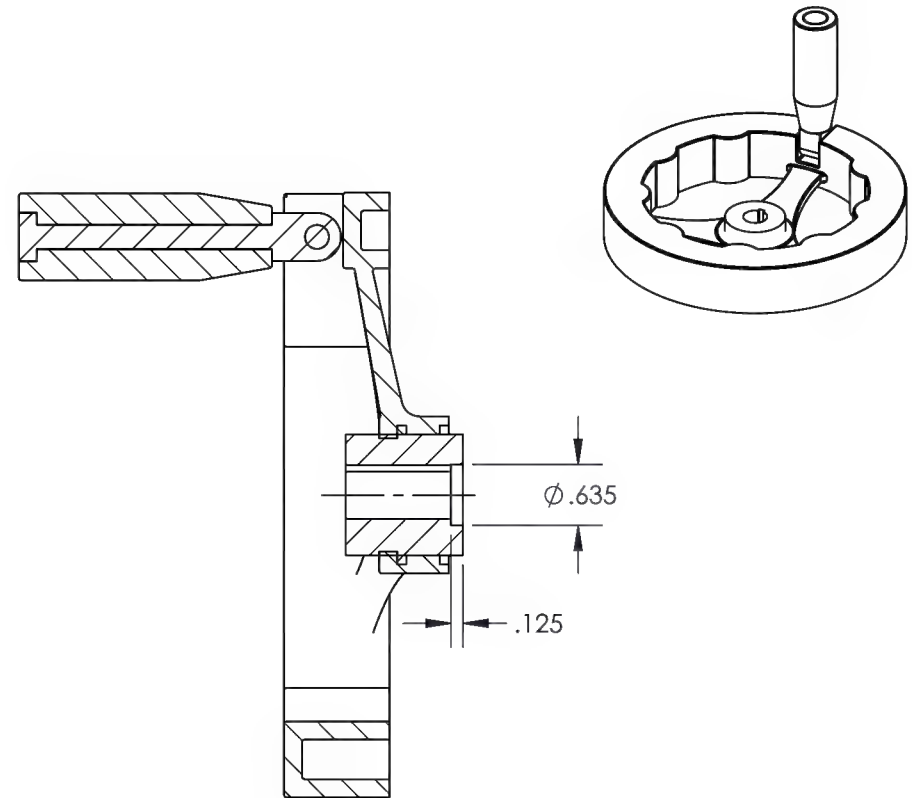
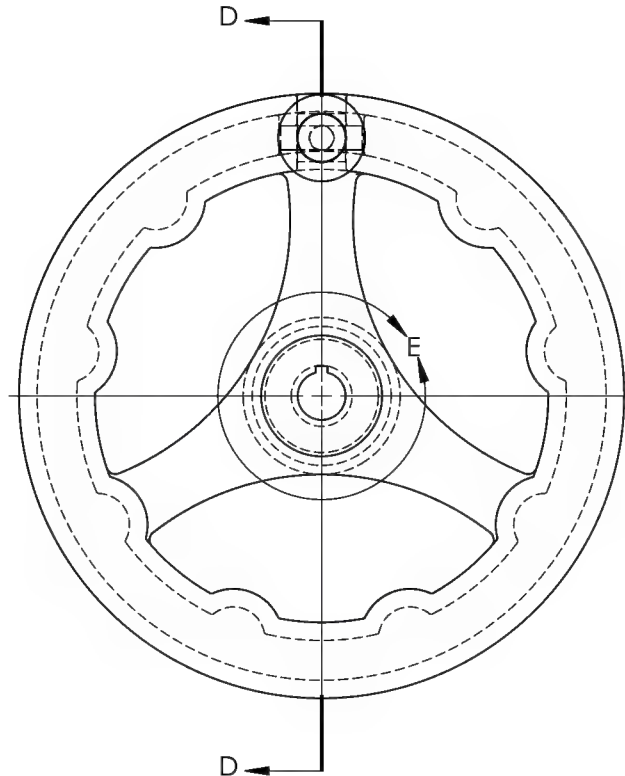
NOTE:
HIDDEN LINES OMITTED FOR CLARITY.

(-21)
ACME ROD

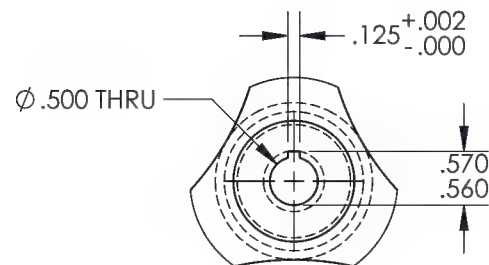
DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-21	REV 3
MAT'L STEEL UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1	DRAWN BY: CLOUGH APPROVED <i>D Weil</i> HEAT TREAT FINISH CAD PLATE YELLOW SPEC QQ-P-416F, TYPE II, CLASS II USED ON MODEL AGUSTA AW139
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SCALE 1:2 DATE 4/11/2013 SHEET 12 OF 21

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



SECTION D-D



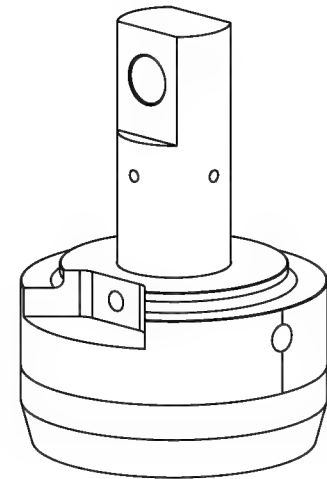
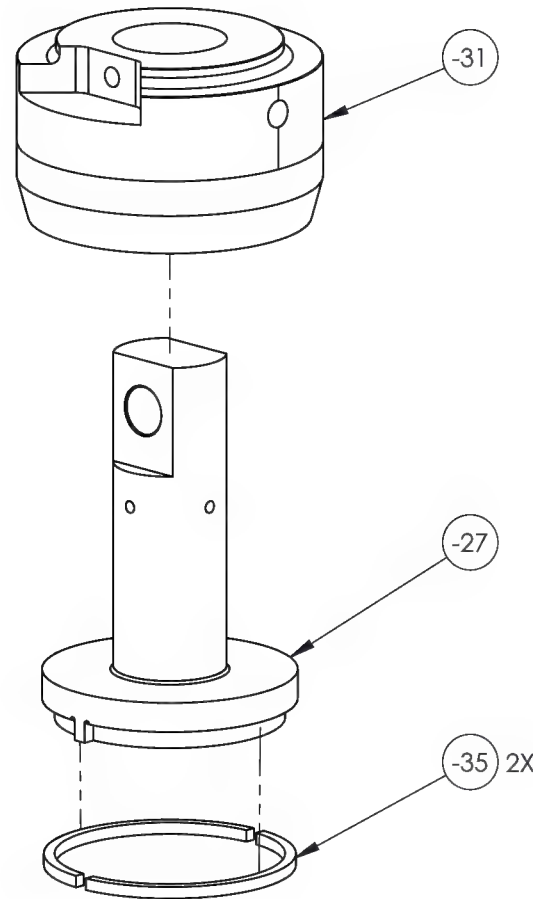
DETAIL E

(-23)
HANDWHEEL

DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-23	REV 3
MAT'L PLASTIC W/ STEEL HUB	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AGUSTA AW139
SCALE 1:2	DATE 5/8/2013
SHEET 13 OF 21	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED



NOTE:
ASSEMBLE -35 & -27 WITH AN APPROPRIATE
ADHESIVE.

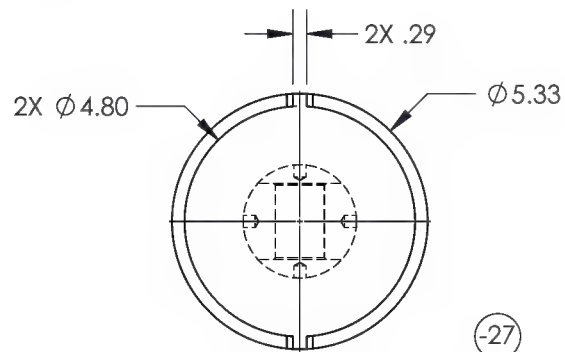
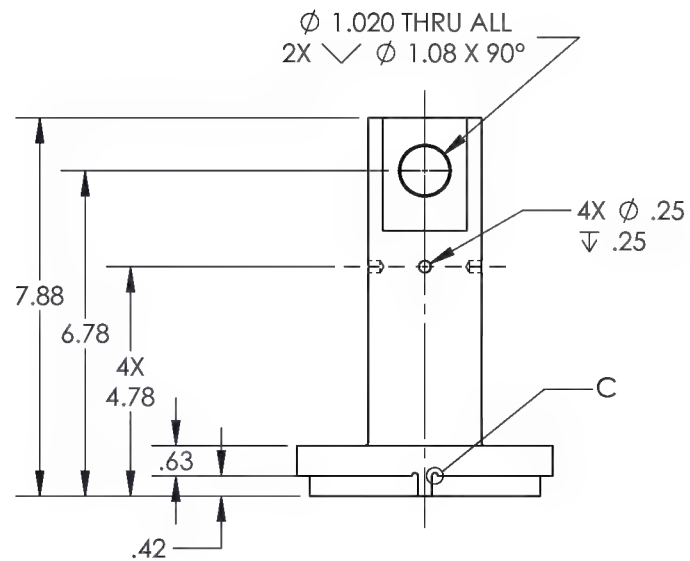
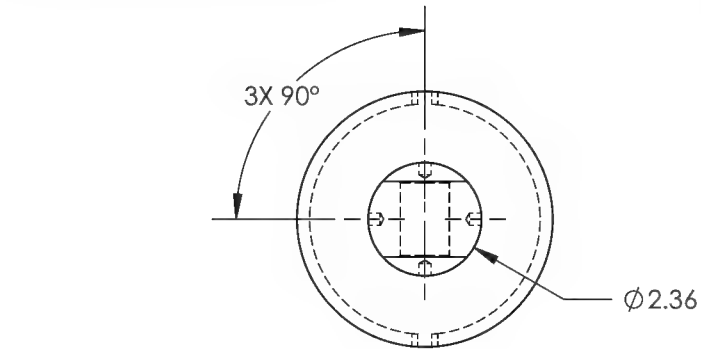
DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-25	REV 3
MAT'L	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AGUSTA AW139
SCALE 1:4	DATE 5/9/2013
	SHEET 14 OF 21

(-25)

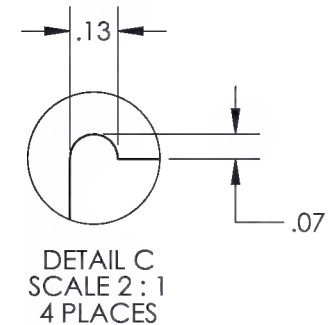
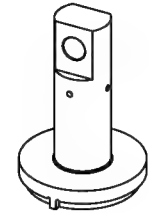
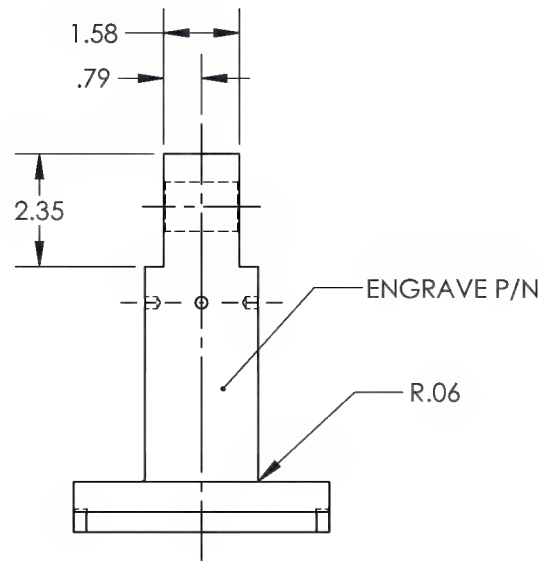
FLANGE ASSEMBLY

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-27 REMOVED RADIUS FROM TOP, CH'D DIMS FROM 7.53 TO 7.88, FROM 6.525 TO 6.78, FROM 4.661 TO 4.78, FROM 1.031 TO 1.020, FROM 1.50 TO 1.58, FROM .75 TO .79, FROM 2.25 TO 2.35	4/10/2014	PW	DW
2	14-0224	-27 ADDED ENGRAVE P/N NOTE. ADDED .06 UNDERCUTS.	12/17/2014	DPD	JAG
3	15-0056	-27 CH'D DIMS WAS 4X Ø.22 ∇ .25 IS 4X Ø.25 ∇ .25, WAS .06 IS .13, WAS .03 IS .07. CH'D MAT'L WAS 4140 Q&T/4142 Q&T IS 4140 Q&T/4142 Q&T/4150 Q&T.	3/24/2015	DPD	JAG



(-27)
SLING PIN

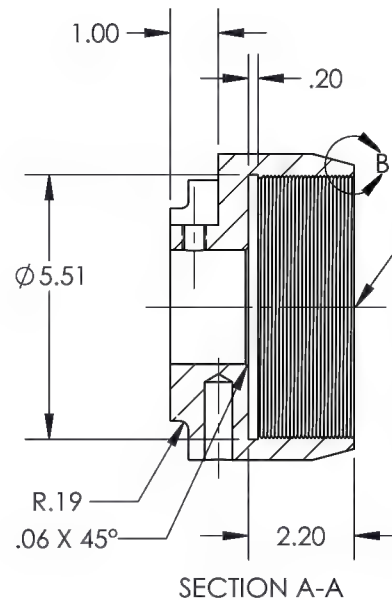
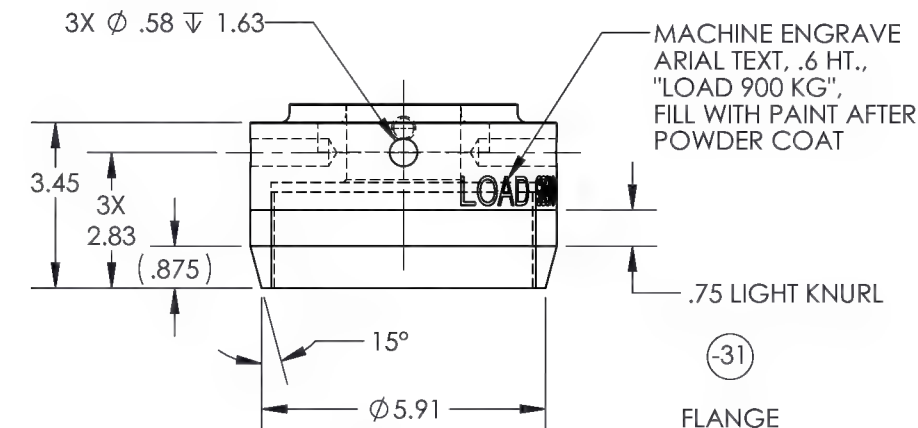
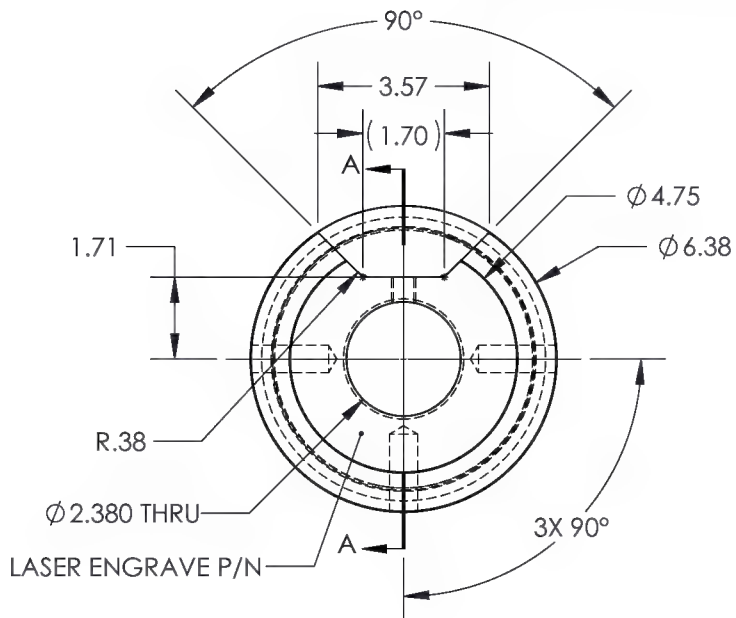
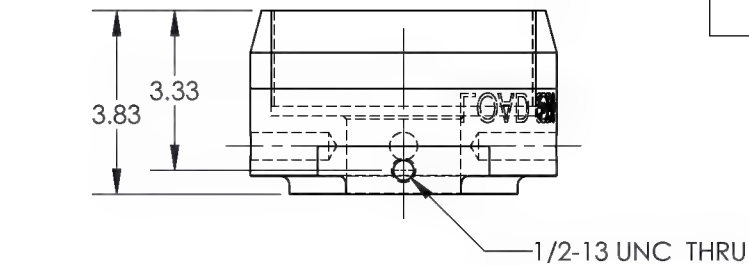


DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-27	REV 3
MAT'L 4140 Q&T/4142 Q&T/4150 Q&T	
DRAWN BY: CLOUGH	
APPROVED <i>D Weil</i>	
HEAT TREAT	
FINISH NICKEL PLATE	
SPEC .0004 - .0008 THICK	
USED ON MODEL	
AGUSTA AW139	
SCALE 1:4	DATE 4/12/2013
SHEET 15 OF 21	

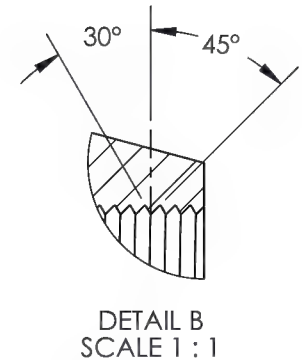
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ± 5°
.X ± .1
1. BREAK ALL SHARP EDGES .015 x 45°
OR .015R
2. DIMENSIONAL LIMITS APPLY AFTER
PLATING

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	15-0056	-31 REDESIGNED. ADDED DUAL FINISH 1ST: CAD PLATE SILVER 2ND: POWDER COAT ORANGE. CH'D DIMS WAS Ø.43 THRU IS 1/2-13 THRU. WAS 1.77 IS 1.71. ADDED DIM Ø4.75. CH'D ENGRAVE NOTE WAS ENGRAVE ARIAL TEXT, .6 HT., "LOAD 900 KG" IS MACHINE ENGRAVE ARIAL TEXT, .6 HT., "LOAD 900 KG". FILL WITH PAINT AFTER POWDER COAT. ADDED MASK THREAD NOTE. ADDED ENGRAVE P/N NOTE.	3/24/2015	DPD	JAG



2 M138.5 X 2
Ø5.374 MINOR
VERIFY FIT WITH
THREAD GAUGE



NOTES:

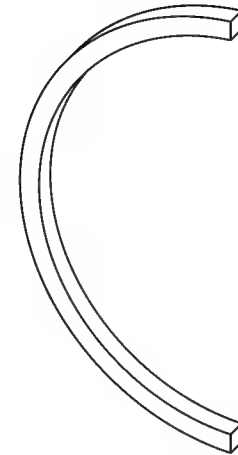
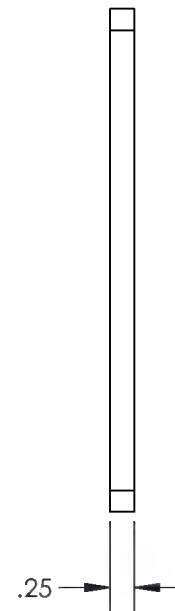
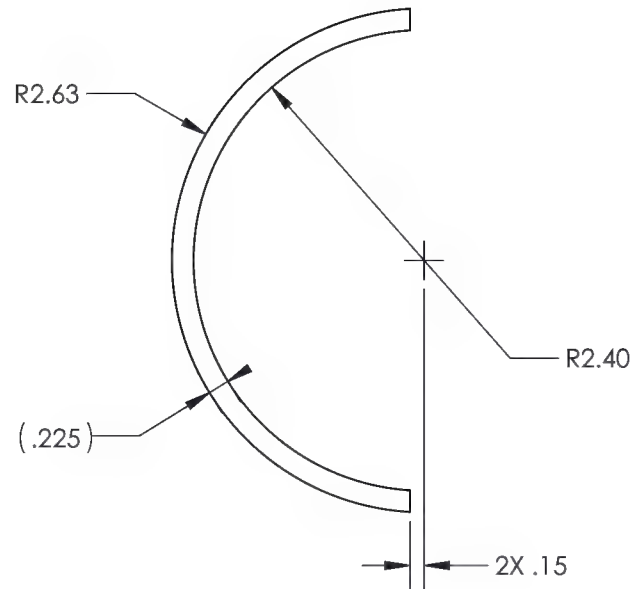
- DUAL FINISH:
1ST: CAD PLATE SILVER
QQ-P-416F, TYPE I, CLASS II
2ND: POWDER COAT ORANGE
MIL-PRF-24635

2 MASK THREADS BEFORE POWDER COAT.

DART AEROSPACE			
TITLE SLING, MGB LIFTING			
DWG NO. RBW6305G20831-3G-31			REV 3
MAT'L 4140 Q&T/4142 Q&T		DRAWN BY: CLOUGH	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVED <i>D Weil</i>	
.XXX ± .005		HEAT TREAT	
.XX ± .01		FINISH SEE NOTE 1	
.X ± .1		SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		USED ON MODEL	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		AGUSTA AW139	
SCALE 1:4	DATE 5/7/2013	SHEET 16 OF 21	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

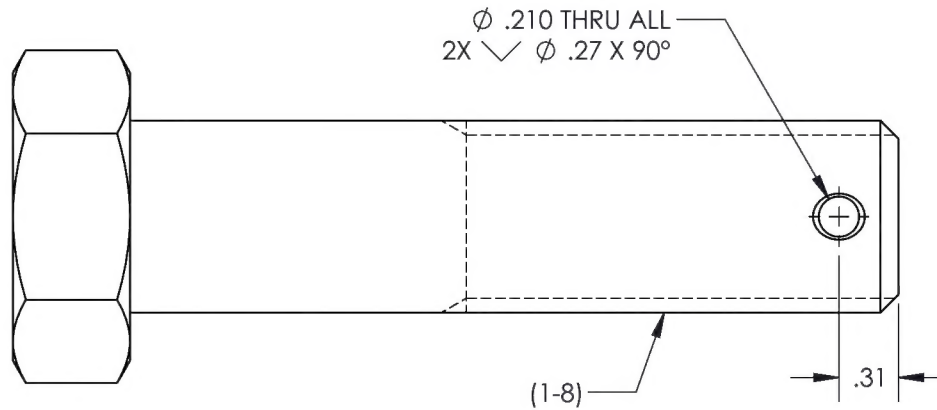
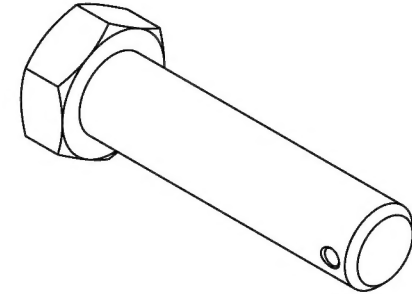


(-35)
SLEEVE

DART AEROSPACE	
TITLE SLING. MGB LIFTING	
DWG NO. RBW6305G20831-3G-35	REV 3
MAT'L WHITE DELRIN	DRAWN BY: CLOUGH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AGUSTA AW139
SCALE 1:2	DATE 4/12/2013
	SHEET 17 OF 21

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-63 ADDED PART.	4/14/2014	PW	DW
3	15-0056	-63 CH'D DIM WAS .36 IS .31.	3/24/2015	DPD	JAG



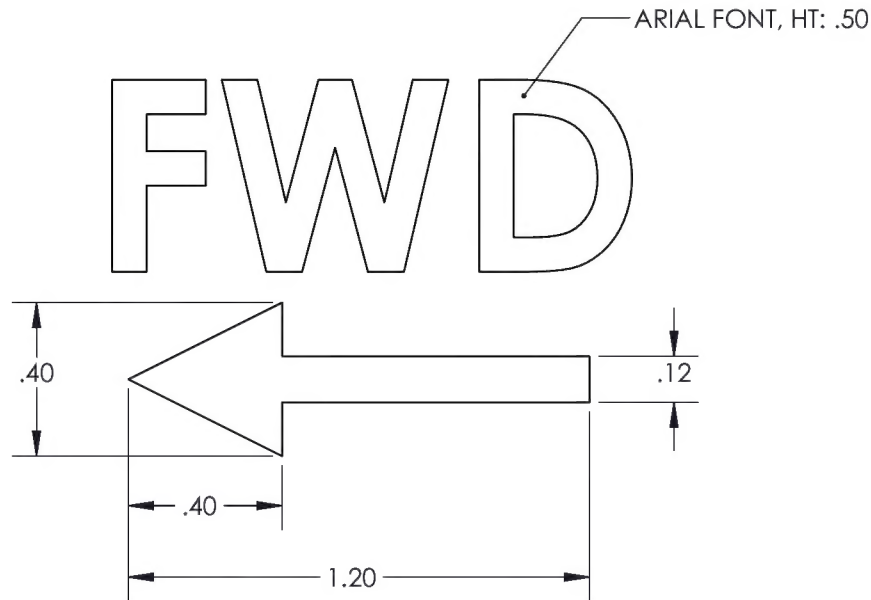
(-63)

HEX HEAD CAP SCREW


DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-63	REV 3
MAT'L STEEL	DRAWN BY: WALLRICH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX \pm .005	HEAT
.XX \pm .01	TREAT
.X \pm .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
	AGUSTA AW139
SCALE 1:1	DATE 4/11/2014
	SHEET 18 OF 21

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-97 ADDED SHEET	4/22/2014	PW	

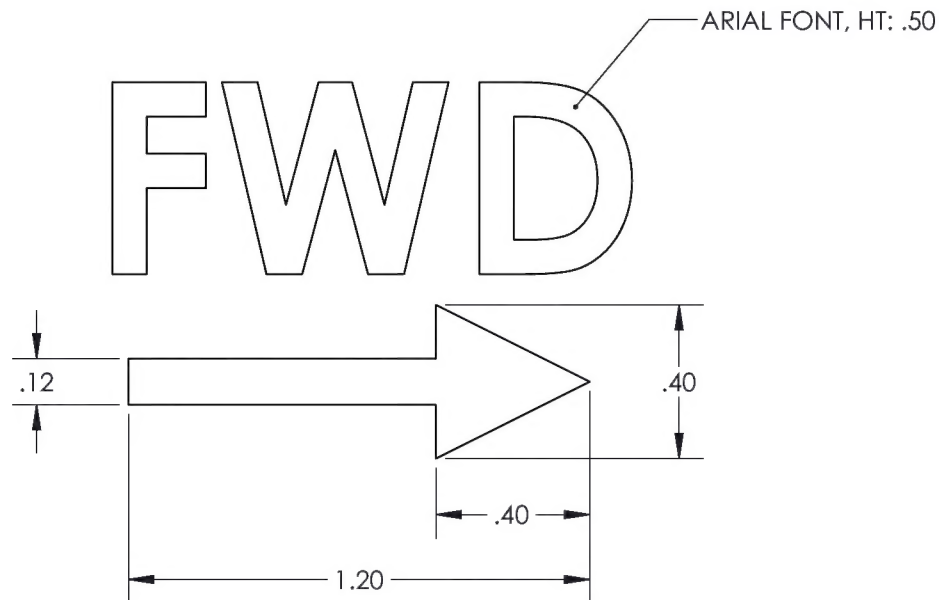


(-97)
STICKER

	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-97	REV 3
MAT'L VINYL, BLACK	DRAWN BY: WALLRICH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 2:1	DATE 4/22/2014
SHEET 19 OF 21	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	15-0056	-99 ADDED DRAWING.	3/23/2015	DPD	JAG

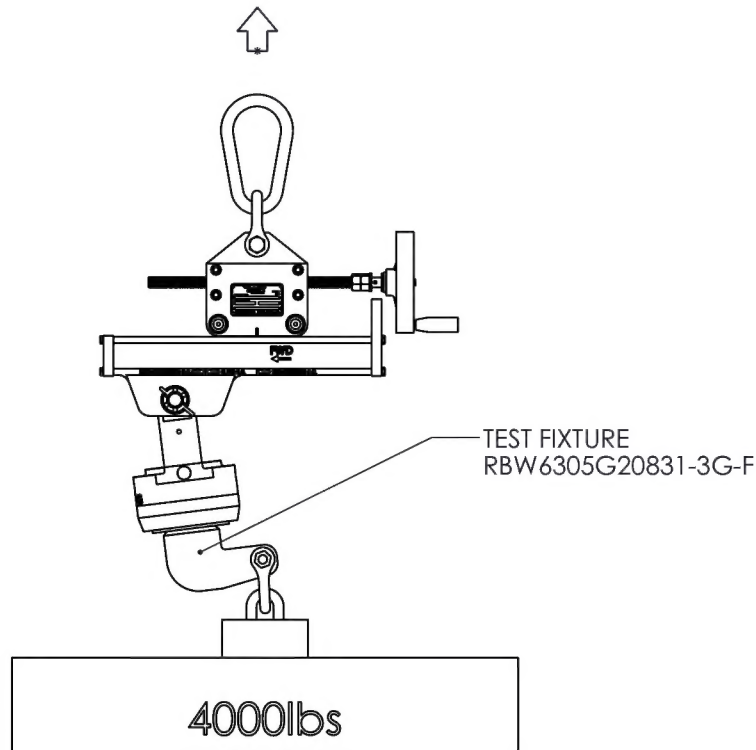


(-99)
STICKER

DART AEROSPACE	
TITLE SLING, MGB LIFTING	
DWG NO. RBW6305G20831-3G-99	REV 3
MAT'L VINYL, BLACK	DRAWN BY: WALLRICH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVED <i>D Weil</i>
.XXX ± .005	HEAT
.XX ± .01	TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL
SCALE 2:1	DATE 4/22/2014
SHEET 20 OF 21	

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FIRST ARTICLE WEIGHT TEST



INSPECTION & TESTING PROCEDURES FOR THE RBW6305G20831-3G, SLING,MGB LIFTING. THIS ASSEMBLY IS DESIGNED EXCLUSIVELY FOR HOISTING AND INSTALLING/REMOVING THE MAIN GEAR BOX. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE. REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, INSTALL THE TEST FIXTURE ONTO THE SLING. PLACE SLING ASSEMBLY ON AN OVERHEAD LIFTING DEVICE. ADJUST THE SLING TO THE "DRESSED" POSITION. ATTACH TEST FIXTURE TO AN APPROPRIATE TEST WEIGHT OF 4000 LBS. ADJUST THE POSITION OF THE SLING IF NECESSARY TO ENSURE THAT THE SLING REMAINS LEVEL.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR: _____

TESTER: _____

S.N.: _____

DATE: _____

DART
AEROSPACE

190 S. Danebo Ave., Eugene, OR. 97402
1-800-556-4166
e-mail: sales@dartaero.com
dartaerospace.com

TITLE

SLING, MGB LIFTING

DWG NO.

RBW6305G20831-3G

REV

3

CUSTOMER 1 OF 1

SCALE

1:12

DATE

5/7/2013

SHEET

21 OF 21